

**ElectriCities Recommended Interconnection Request Application Form  
for Interconnecting a Certified Inverter-Based Generating Facility No Larger than 20 kW**

This Interconnection Request Application Form is considered complete when it provides all applicable and correct information required below. Additional information to evaluate the Interconnection Request may be required.

**Processing Fee**

A non-refundable processing fee of **\$100** must accompany this Interconnection Request Application Form.

If the Interconnection Request is submitted solely due to a transfer of ownership of the Generating Facility, the non-refundable fee is **\$50**.

**Interconnection Customer (must be utility billing customer)**

Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Mailing Address \_\_\_\_\_

City: \_\_\_\_\_

State / Zip Code: \_\_\_\_\_

Telephone (Daytime): \_\_\_\_\_

Telephone (Evening): \_\_\_\_\_

Fax: \_\_\_\_\_

**Contact (if different than Interconnection Customer)**

Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Mailing Address \_\_\_\_\_

City: \_\_\_\_\_

State / Zip Code: \_\_\_\_\_

Telephone (Daytime): \_\_\_\_\_

Telephone (Evening): \_\_\_\_\_

Fax: \_\_\_\_\_

Owner(s) of the Generating Facility: \_\_\_\_\_

**Generating Facility Information**

Facility Location (if different from above):

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

County: \_\_\_\_\_

Utility: \_\_\_\_\_

Account Number: \_\_\_\_\_

Is the Generating Facility owned by the Interconnection Customer or Leased from an Electric Generator Lessor in NC?

Owned \_\_\_\_\_

Leased \_\_\_\_\_ NCUC Docket No.: \_\_\_\_\_

Inverter Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

Nameplate Rating (each inverter): \_\_\_\_\_ kW (AC) (each inverter)

\_\_\_\_\_ kVA (AC) (each inverter)

\_\_\_\_\_ Volts (AC) (each inverter)

Single Phase: \_\_\_\_\_ Three Phase: \_\_\_\_\_

System Design Capacity<sup>1</sup>: \_\_\_\_\_ kW (AC) (system total)

\_\_\_\_\_ kVA (AC) (system total)

For photovoltaic sources only:

Total panel capacity: \_\_\_\_\_ kW (DC) (system total)

Maximum Generating Capacity Requested:<sup>2</sup> (calculated)<sup>3</sup> kW (AC)

For other sources:

Maximum Export Capability Requested:<sup>2</sup> \_\_\_\_\_ kW (AC)

Prime Mover Information (Refer to U.S. EIA Form 860 Instructions, Table 2 Prime Mover Codes and Descriptions at: [https://www.eia.gov/survey/form/eia\\_860/instructions.pdf](https://www.eia.gov/survey/form/eia_860/instructions.pdf) or [https://www.eia.gov/survey/form/eia\\_860m/instructions.pdf](https://www.eia.gov/survey/form/eia_860m/instructions.pdf)

Prime Mover Code \_\_\_\_\_

<sup>1</sup> Total inverter capacity.

<sup>2</sup> At the Point of Interconnection, this is the maximum possible export power that could flow back to the Utility. Unless special circumstances apply, load should not be subtracted from the System Design Capacity.

<sup>3</sup> For a photovoltaic installation, the utility will calculate this value as the lesser of (1) the total kW inverter capacity and (2) the total kW panel capacity (no DC to AC losses included, for simplicity).

Prime Mover Description \_\_\_\_\_

Energy Source Information (Refer to U.S. EIA Form 860 Instructions, Table 28 Energy Source Codes and Heat Content at: [https://www.eia.gov/survey/form/eia\\_860/instructions.pdf](https://www.eia.gov/survey/form/eia_860/instructions.pdf))

Fuel Type	Energy Source Code	Energy Source Description

Is the equipment UL 1741 Listed? Yes \_\_\_\_ No \_\_\_\_

If Yes, attach manufacturer’s cut-sheet showing UL 1741 listing

Estimated Installation Date: \_\_\_\_\_ Estimated In-Service Date: \_\_\_\_\_

The 20 kW Inverter Process is available only for inverter-based Generating Facilities no larger than 20 kW that meet the codes, standards, and certification requirements of Attachments 4 and 5 of the ElectriCities Recommended Interconnection Procedures, or the Utility has reviewed the design or tested the proposed Generating Facility and is satisfied that it is safe to operate.

List components of the Generating Facility equipment package that are currently certified:

Number	Equipment Type	Certifying Entity
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____

Interconnection Customer Signature

I hereby certify that, to the best of my knowledge, the information provided in this Interconnection Request Application Form is true. I agree to abide by the Terms and Conditions for Interconnecting a Certified Inverter-Based Generating Facility No Larger than 20 kW and return the Certificate of Completion when the Generating Facility has been installed.

Signed: \_\_\_\_\_

Company Name: \_\_\_\_\_

Title With Company: \_\_\_\_\_

Date: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

County: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Preliminary Approval of Applicable Building Inspection Authority

Inspector Signature: \_\_\_\_\_

Permit # (if required): \_\_\_\_\_ Date: \_\_\_\_\_

Contingent Approval to Interconnect the Generating Facility (For Utility use only)

Interconnection of the Generating Facility is approved contingent upon the Terms and Conditions for Interconnecting a Certified Inverter-Based Generating Facility No Larger than 20 kW and return of the Certificate of Completion.

Utility Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Interconnection Request ID number: \_\_\_\_\_

Utility waives inspection/witness test? Yes \_\_\_\_\_ No \_\_\_\_\_

**ElectriCities Recommended Certificate of Completion  
for Interconnecting a Certified Inverter-Based Generating Facility  
No Larger than 20 kW**

Is the Generating Facility owner-installed? Yes \_\_\_\_\_ No \_\_\_\_\_

Interconnection Customer

Name: \_\_\_\_\_  
Email Address: \_\_\_\_\_  
Mailing Address \_\_\_\_\_  
City: \_\_\_\_\_  
State / Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_  
Telephone (Evening): \_\_\_\_\_  
Fax: \_\_\_\_\_

Location of the Generating Facility (if different from above)

Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Electrician

Name: \_\_\_\_\_  
Email Address: \_\_\_\_\_  
Mailing Address \_\_\_\_\_  
City: \_\_\_\_\_  
State / Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_  
Telephone (Evening): \_\_\_\_\_  
Fax: \_\_\_\_\_  
License Number: \_\_\_\_\_

Date Approval to Install Generating Facility granted by the Utility: \_\_\_\_\_

Interconnection Request ID Number: \_\_\_\_\_

Inspection:

The Generating Facility has been installed and inspected in compliance with the local building/electrical code of \_\_\_\_\_

Signed (Local electrical wiring inspector, or Attach signed electrical inspection):

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_ Date: \_\_\_\_\_

As a condition of interconnection, you are required to send/ email/ fax a copy of this form along with a copy of the signed electrical permit to (insert Utility information below):

Utility Name: \_\_\_\_\_

Attention: \_\_\_\_\_

Email Address: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State / Zip Code: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

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Approval to Energize the Generating Facility (For Utility use only)

Energizing the Generating Facility is approved contingent upon the Terms and Conditions for Interconnecting a Certified Inverter-Based Generating Facility No Larger than 20 kW.

Utility Signature:

Title: \_\_\_\_\_ Date: \_\_\_\_\_

**ElectriCities Recommended Terms and Conditions  
for Interconnecting a Certified Inverter-Based Generating Facility  
No Larger than 20 kW**

1.0 Construction of the Facility

The Interconnection Customer (Customer) may proceed to construct (including operational testing not to exceed two hours) the Generating Facility when the Utility approves the Interconnection Request and returns it to the Customer.

2.0 Interconnection and Operation

The Customer may interconnect the Generating Facility with the Utility's System and operate in parallel with the Utility's System once all of the following have occurred:

- 2.1 Upon completing construction, the Customer will cause the Generating Facility to be inspected or otherwise certified by the appropriate local electrical wiring inspector with jurisdiction, and
- 2.2 The Customer returns the Certificate of Completion to the Utility, and
- 2.3 The Utility has either:
  - 2.3.1 Completed its inspection of the Generating Facility to ensure that all equipment has been appropriately installed and that all electrical connections have been made in accordance with applicable codes. All inspections must be conducted by the Utility, at its own expense, within a reasonable amount of time after receipt of the Certificate of Completion and shall take place at a time agreeable to the Parties. The Utility shall provide a written statement that the Generating Facility has passed inspection or shall notify the Customer of what steps it must take to pass inspection as soon as practicable after the inspection takes place.
- 2.4 The Utility has the right to disconnect the Generating Facility in the event of improper installation or failure to return the Certificate of Completion.
- 2.5 Revenue quality metering equipment must be installed and tested in accordance with applicable American National Standards Institute (ANSI) standards and all applicable regulatory requirements.

### 3.0 Safe Operations and Maintenance

The Customer shall be fully responsible to operate, maintain, and repair the Generating Facility as required to ensure that it complies at all times with the interconnection standards to which it has been certified.

The Customer shall not operate the Generating Facility in such a way that the Generating Facility would exceed the Maximum Generating Capacity.

### 4.0 Access

The Utility shall have access to the disconnect switch (if a disconnect switch is required) and metering equipment of the Generating Facility at all times. The Utility shall provide reasonable notice to the Customer, when possible, prior to using its right of access.

### 5.0 Disconnection

The Utility may temporarily disconnect the Generating Facility upon the following conditions:

- 5.1 For scheduled outages upon reasonable notice.
- 5.2 For unscheduled outages or emergency conditions.
- 5.3 If the Generating Facility does not operate in a manner consistent with these Terms and Conditions.
- 5.4 The Utility shall inform the Customer in advance of any scheduled disconnection, or as soon as is reasonable after an unscheduled disconnection.

### 6.0 Indemnification

The Parties shall at all times indemnify, defend, and save the other Party harmless from, any and all damages, losses, claims, including claims and actions relating to injury to or death of any person or damage to property, demand, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the other Party's action or inactions of its obligations hereunder on behalf of the indemnifying Party, except in cases of gross negligence or intentional wrongdoing by the indemnified Party.

### 7.0 Insurance

All insurance policies must be maintained with insurers authorized to do business in North Carolina. The Parties agree to the following insurance requirements:

- 7.1 If the Customer is a residential customer of the Utility, the required coverage shall be a standard homeowner's insurance policy with liability coverage in the amount of at least \$100,000 per occurrence.
- 7.2 For an Interconnection Customer that is a non-residential customer of the Utility proposing to interconnect a Generating Facility no larger than 250 kW, the required



coverage shall be comprehensive general liability insurance with coverage in the amount of at least \$300,000 per occurrence.

7.3 The Customer may provide this insurance via a self-insurance program if it has a self-insurance program established in accordance with commercially acceptable risk management practices.

## 8.0 Limitation of Liability

Each Party's liability to the other Party for any loss, cost, claim, injury, or expense, including reasonable attorney's fees, relating to or arising from any act or omission hereunder, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, incidental, consequential, or punitive damages of any kind.

## 9.0 Termination

The agreement to interconnect and operate in parallel may be terminated under the following conditions:

### 9.1 By the Customer

By providing written notice to the Utility and physically and permanently disconnecting the Generating Facility.

### 9.2 By the Utility

If the Generating Facility fails to operate for any consecutive 12-month period or the Customer fails to remedy a violation of these Terms and Conditions.

### 9.3 Permanent Disconnection

In the event this Agreement is terminated, the Utility shall have the right to disconnect its facilities or direct the Customer to disconnect its Generating Facility.

### 9.4 Survival Rights

This Agreement shall continue in effect after termination to the extent necessary to allow or require either Party to fulfill rights or obligations that arose under the Agreement.

## 10.0 Assignment/Transfer of Ownership of the Facility

10.1 This Agreement shall not survive the transfer of ownership of the Generating Facility to a new owner.

10.2 The new owner must complete and submit a new Interconnection Request agreeing to abide by these Terms and Conditions for interconnection and parallel operations within 20 Business Days of the transfer of ownership. The Utility shall acknowledge receipt and

return a signed copy of the Interconnection Request Application Form within ten (10) Business Days.

- 10.3 The Utility shall not study or inspect the Generating Facility unless the new owner's Interconnection Request Application Form indicates that a Material Modification has occurred or is proposed.